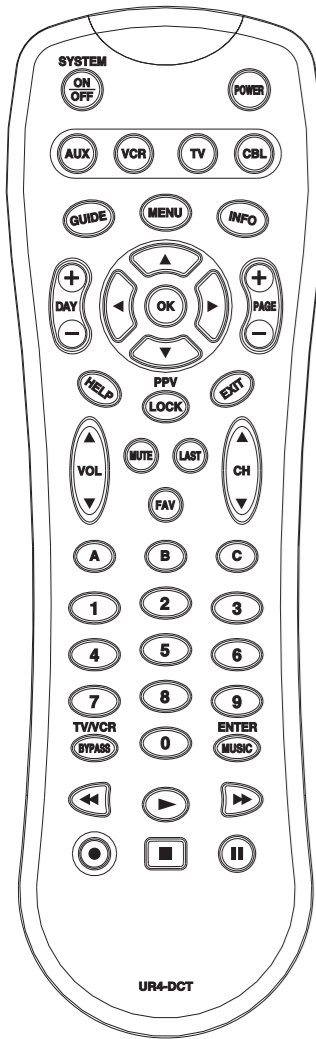


Operating Instructions For 4 in 1 Cable Remote Control

UR4-DCT



Universal Remote Control, Inc.
www.universalsremote.com
OEE-0050A Rev 11 (02/06/07)

1 Introduction

The remote control is designed to operate the Motorola® DCT series and CFT series set top boxes. You can also control the majority of TV, VCR/DVD and AUDIO equipment on the market as shown below.

CABLE : Cable Converts

TV : Televisions

VCR : VCRs and DVD

AUX : Audio Receivers, DMX & DCR, TIVO, etc.

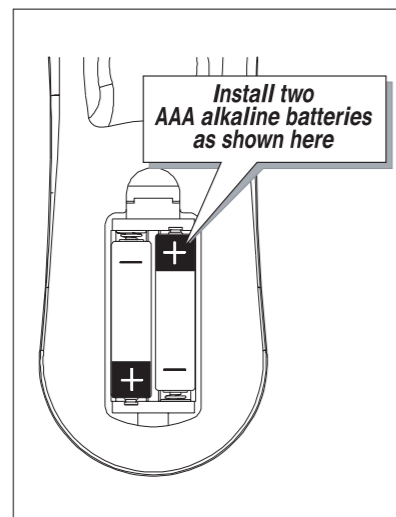
2 Replacing Batteries

Before you program or operate the remote control, you must install two new AAA alkaline batteries.

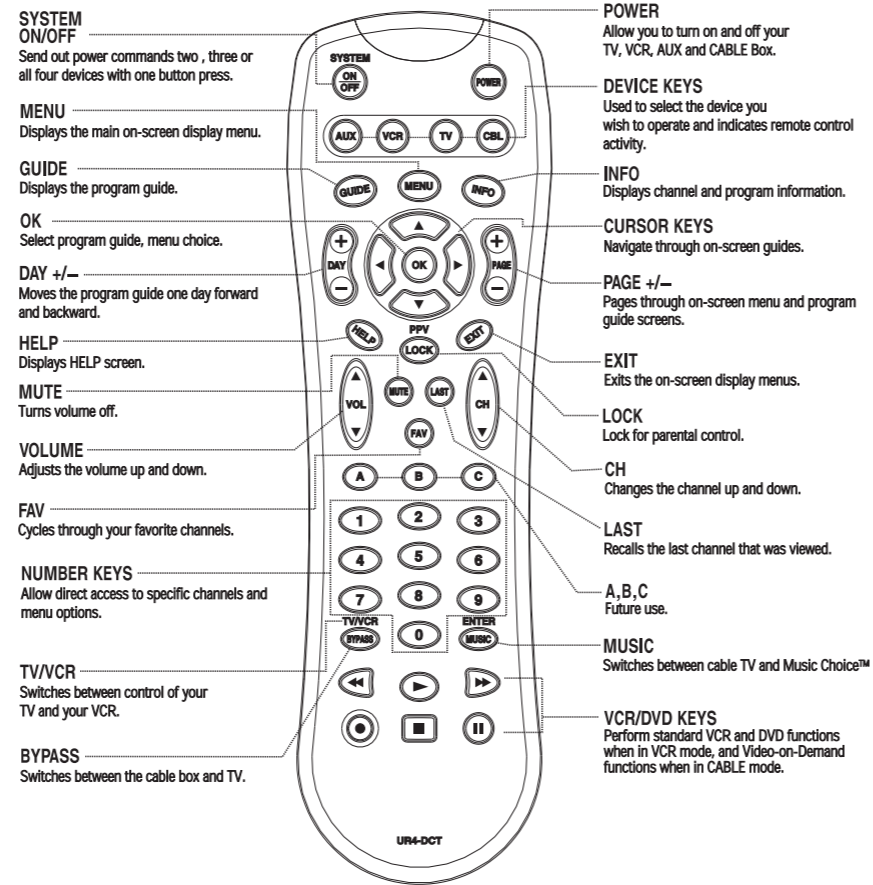
STEP1 Remove the battery compartment cover on the back of your remote control.

STEP2 Check battery polarity carefully, and install the batteries as shown in the illustration below.

STEP3 Replace the battery compartment cover.



3 Button Functions



4 Operations

Default State :

Device Default: Motorola® DCT series and CFT2200.

Channel Default: CABLE channel and number keys through the CABLE, with the option of controlling channel and number keys through the TV or VCR. Refer to section F for programming the channel and number keys through your TV or VCR.

Volume Default : CABLE volume and mute through the TV , with the option of controlling volume and mute through the CABLE or AUDIO.

Refer to section G for programming the volume and mute through your CABLE or AUDIO.

System On/Off button :

This button is designed to send out power commands for two, three or all four devices with one button press. Please refer to section E for details.

5 Programming the Remote Control

A. Three-Digit Code Programming Method.

The remote control can be programmed by pressing in a three digit code number that corresponds to particular manufacturers and brands of Audio/Video equipment. The three-digit code numbers are listed in the code table of the instruction manual.

STEP1 Turn on the equipment you wish to program. (TV, VCR, DVD or AUX).

STEP2 Press the [DEVICE] button (TV, VCR or AUX) to be programmed and the [OK] button simultaneously for 3 seconds. The device LED will turn on indicating the unit is ready to be programmed.

***Tip:** The device LED will stay lit for 20 seconds. The next step must be entered while the LED is on.

STEP3 Point the remote control toward the equipment and enter the three-digit code number assigned to your brand from the code tables.

***Tip:** The equipment will turn off when the correct three-digit code number has been entered. You can verify you have selected the correct code by pressing the [POWER] button, the equipment should turn on or turn off.

***Note :** If there is more than one three-digit number listed for your brand, try one code number at a time until your equipment turns off.

STEP4 Store the three-digit code number by pressing the same [DEVICE] button once again. The device LED will blink twice to confirm that the code has been stored.

***Note :** Try all the functions on the remote control. If any of the functions do not work as they should, repeat from Step 2 using the next three-digit code number from the same brand list.

B. Auto Search Method.

If the three-digit code numbers assigned to your brand do not turn off your equipment or the code tables do not list your brand, you can use the **Auto Search Method to find the correct three-digit code number for your equipment by the following steps:**

STEP1 Turn on the equipment you wish to operate.

STEP2 Press the [DEVICE] button (TV, VCR or AUX) to be programmed and the [OK] button simultaneously for 3 seconds. The device LED will turn on.

***Tip:** The device LED will light on for 20 seconds. The next step must be entered while LED is on.

STEP3 Press the [CH+] or [CH-] button one step at a time or keep it pressed. The remote will emit a series of Power ON/OFF commands. Release the [CH+] or [CH-] button as soon as the equipment turns off.

***Tip:** You can verify that you selected the correct code by pressing the [POWER] button. The equipment should either turn on or off.

STEP4 Press the same [DEVICE] button to store the code. The Device LED will blink twice to confirm that the code has been stored.

C. To Find the Three Digit Code Number That was Stored in the Device.

STEP1 Press the [DEVICE] button (TV, VCR or AUX) you wish to verify and the [OK] button simultaneously for 3 seconds.

***Tip:** The device LED will turn on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [INFO] button.

The device LED will blink number of times indicating the number of each digit of the code number. Each digit is separated by a 1 second interval of the LED being turned off.

Example : One blink, three blinks and eight blinks with an interval of 1 second of LED being turned off, indicates the code number 138.

***Note :** Ten blinks is equal to the number 0.

D. Programming a second TV to AUX Mode.

STEP1 Press the [AUX] button to be programmed and the [OK] button simultaneously for 3 seconds.

***Tip:** The device LED will turn on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [TV] button to pick up the TV code table.

STEP3 Point the remote control toward the equipment and enter the three-digit code number assigned to your TV brand from the code tables.

STEP4 Store the three-digit code number by pressing the [AUX] button once again. The device LED will blink twice to confirm that the code has been stored.

E. Programming The System On/Off Button.

This is designed to program the System On/Off button so that it can send out up to four power on/off commands with one button press.

STEP1 Press the [CBL] button.

STEP2 Press the [SYSTEM] button and the [OK] button simultaneously for 3 seconds. The [CBL] button will turn on for 20 seconds.

STEP3 Press the [DEVICE] button and the [POWER] button you wish to store in the System On/Off button and repeat this until you stored all the power commands into the System On/Off button.

STEP4 Press the [CH+] button to save the power commands you stored. The [CBL] button will blink twice to confirm the saving.

F. Programming Channel Control.

By following the steps below, the user can program the channel controls (Channel Up, Channel Down and Last) from one device to operate in another device mode. The default channel control settings on the remote control is as follows:

CBL : CBL **TV** : CBL

VCR : VCR **AUX** : AUX

If you wish to store the TV channel control in TV mode, use the following steps.

STEP1 Press the [TV] button and the [OK] button simultaneously for 3 seconds.

***Tip:** The device LED will light on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [VOL -] button.

STEP3 Press the [TV] button. The device LED will blink twice to confirm the programming.

To return to original state:

If you wish to restore the CABLE channel control in TV mode, repeat the above steps by pressing [CBL] in **STEP3**.

G. Programming Volume Control .

By following the steps below, the user can program the volume controls (Volume Up, Volume Down and Mute) from one device to operate in another device mode. The default volume control settings on the remote control is as follows :

CBL : TV **TV** : TV

VCR : TV **AUX** : AUX

If you wish to store the TV volume control in CBL mode, use the following steps.

STEP1 Press the [CBL] button and the [OK] button simultaneously for 3 seconds.

***Tip :** The device LED will light on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [VOL +] button.

STEP3 Press the [TV] button. The device LED will blink twice to confirm the programming.

To return to original state:

If you wish to restore the CABLE volume control in CBL mode, repeat the above steps by pressing [CBL] in **STEP3** .

H. Programming For Advanced Function.

In the CABLE mode, the A, B and C buttons can be programmed to act as a macro or favorite channel button to send out up to 10 commands with one button press.

STEP1 Press the [CBL] button to select the CABLE mode

STEP2 Press the [A (or B,C)] button and [OK] button simultaneously for 3 seconds. The CBL device LED will turn on for 20 seconds.

STEP3 Press up to 10 buttons you wish to store. The CBL device LED will blink once for each command entered.

STEP4 Press the [CH+] button to store the functions that are selected. The CBL device LED will blink twice to confirm the storage of functions.

I. LOW BATTERY WARNING.

When the battery is low and needs to be replaced with fresh batteries, the remote control LED will blink 2 times in sequence whenever a [POWER] button is pressed to turn on equipment.

J. Memory Lock System.

This remote control is designed to retain programmed memory for 10 years even after batteries are removed from the remote control.

K. Write your device Set-up codes.

TV Set-up Code Number :

VCR Set-up Code Number :

AUX Set-up Code Number :

6 Set-up Code Tables

CABLE TV

| Remote | Converter | Code No |
|---------|------------------------------|---------|
| UR4-DCT | Motorola DCT Series, CFT2200 | 001 |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---|
| ADMIRAL | 072 081 160 161 096 |
| ADVENT | 247 |
| AIKO | 103 |
| AKAI | 006 146 248 150 157 167 |
| ALARON | 028 |
| AMARK | 112 143 |
| AMERICA ACTION | 043 |
| AMPRO | 073 |
| ANAM | 043 054 055 056 080 112 |
| AOC | 058 006 004 112 |
| APEX DIGITAL | 015 226 037 |
| AUDIOVOX | 076 103 043 035 |
| BAYSONIC | 043 |
| BELL&HOWELL | 072 |
| BRADFORD | 043 |
| BROKSONIC | 096 |
| CANDLE | 006 002 003 004 |
| CAPEHART | 058 |
| CARVER | 164 |
| CELEBRITY | 001 |
| CETRONIC | 043 |
| CINERAL | 103 120 |
| CITIZEN | 006 002 003 004 101 103 143 |
| CLASSIC | 043 |
| CONCERTO | 004 |
| CONTEC | 043 051 |
| CORONADO | 143 |
| CRAIG | 043 054 028 |
| CROSLEY | 164 |
| CROWN | 043 143 |
| CURTIS MATHES | 006 004 101 143 011 072 081 120 164 |
| CXC | 043 |
| DAEWOO | 076 103 055 004 127 143 016 043 044 125 120 |
| DAYTRON | 004 143 |
| DELL | 041 |
| DENON | 011 |
| DUMONT | 004 073 |
| DWIN | 102 104 161 |
| DYNASTY | 043 |
| DYNATECH | 062 |
| ELECTROBAND | 001 |
| ELECTROHOME | 024 076 143 |
| EMERSON | 005 028 043 048 076 096 155 004 051 143 151 153 154 |
| ESA | 078 |
| FISHER | 007 057 |
| FUJITSU | 164 028 198 246 066 138 |
| FUNAI | 028 043 052 249 |
| FUTURETECH | 043 |
| GATEWAY | 242 078 |
| GE | 006 073 144 160 161 004 008 009 034 056 074 091 155 081 120 |
| GEM | 128 |
| GIBRALTER | 004 073 |
| GOLDSTAR | 004 106 119 110 112 113 127 143 |
| GRUNPY | 028 043 |
| HALL MARK | 004 |
| HARLEY DAVIDSON | 028 |
| HARMAN KARDON | 164 |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---|
| HARVARD | 043 |
| HISENSE | 170 |
| HITACHI | 163 004 007 009 011 072 010 012 023 075 143 158 166 |
| HP | 027 039 |
| HYUNDAI | 049 067 |
| INFINITY | 164 |
| INSIGNIA | 024 142 145 147 148 149 |
| INKEL | 129 |
| INTEQ | 073 |
| JBL | 164 |
| JCB | 001 |
| JCPENNEY | 004 006 008 024 030 065 101 143 156 160 |
| JENSEN | 013 |
| JVC | 038 001 034 083 206 159 |
| KENWOOD | 006 001 |
| KLOSS | 002 059 |
| KTV | 006 043 143 154 |
| LG | 004 106 119 110 112 113 127 143 084 |
| LODGENET | 072 |
| LOEWE | 207 164 |
| LOGIK | 072 |
| LUXMAN | 004 |
| LXI | 007 015 052 081 160 164 |
| MAGNAVOX | 006 003 004 022 059 060 061 063 064 127 164 094 160 028 035 124 |
| MAJESTIC | 072 |
| MARANTZ | 164 006 |
| MATSUI | 164 |
| MATSUSHITA | 080 |
| MEGATRON | 004 |
| MINTEK | 108 168 |
| MITSUBISHI | 109 024 042 004 040 146 028 081 225 |
| MOTOROLA | 081 |
| MTC | 006 004 062 101 |
| MULTITECH | 043 |
| NAD | 015 025 |
| OPTIMUS | 080 |
| OPTOMA | 029 032 |
| PHILCO | 006 003 004 024 056 059 060 063 064 127 143 164 |
| PHILIPS | 164 005 038 093 127 006 003 004 059 210 |
| PIONEER | 023 025 135 176 004 018 006 209 234 118 131 140 |
| POLAROID | 015 077 078 079 |
| PORTLAND | 004 143 103 |
| PRISM | 034 |
| PROSCAN | 144 160 161 |
| PROTON | 004 058 143 171 173 112 |
| PROTRON | 130 141 |
| QUASAR | 034 056 |
| RADIO SHACK | 004 019 127 143 043 |
| RCA | 160 161 144 156 065 006 004 023 024 056 074 152 081 007 019 |
| REALISTIC | 007 019 |
| RUNICO | 072 073 050 137 169 |
| SAMPO | 006 004 058 242 |
| SAMSUNG | 004 101 127 133 143 160 089 105 211 228 229 |
| SANSEI | 120 |
| SANSUI | 096 |
| SANYO | 007 053 057 082 020 |
| SCEPTRE | 036 |
| SCOTCH | 004 |
| SCOTT | 004 005 028 043 048 143 |
| SEARS | 004 007 015 028 030 057 082 094 143 160 052 164 |
| SEMIPOX | 043 |
| SEMP | 015 |
| SHARP | 081 014 019 028 004 022 143 175 |
| SIGNATURE | 072 |
| SONY | 001 126 139 |
| SOUNDESIGN | 003 004 028 043 |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---|
| SPECTRACON | 112 |
| SQUAREVIEW | 052 |
| SSS | 004 043 |
| STARLITE | 043 |
| SUPRE MACY | 002 |
| SUPREME | 001 |
| SVA | 079 |
| SYLVANIA | 006 003 059 060 063 064 127 160 164 044 249 |
| SYMPHONIC | 052 249 |
| SYNAX OLEVIA | 084 |
| SYNTAX OLEVIA | 132 |
| TANDY | 081 |
| TATUNG | 056 062 |
| TECHNICS | 034 080 |
| TECHNOL ACE | 028 |
| TECHWOOD | 004 |
| TEKNIKA | 002 003 004 024 028 043 072 101 143 103 164 |
| TELERENT | 072 |
| TERA | 172 |
| TMK | 004 012 031 040 101 |
| TNCI | 073 |
| TOSHIBA | 015 030 007 040 062 101 045 |
| TOTEVISION | 143 |
| UNIVERSAL | 008 009 |
| VIDEO CONCEPTS | 146 |
| VIDIKRON | 174 188 164 050 |
| VIDTECH | 004 |
| VIEWSONIC | 122 |
| VIZIO | 121 |
| WARDS | 004 064 164 008 009 019 028 060 061 063 072 074 143 |
| WESTING HOUSE | 076 036 |
| YAMAHA | 004 006 115 116 162 165 |
| YORK | 004 |
| YUPITERU | 043 |
| ZENITH | 072 073 095 103 011 096 |
| ZONDA | 112 |

VCR & TV/VCR

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---------------------------------|
| ADMIRAL | 025 053 |
| AIKO | 117 |
| AIWA | 034 161 101 |
| AKAI | 043 046 124 146 |
| AMERICA ACTION | 117 |
| AMERICAN HIGH | 031 |
| AMPRO | 072 |
| ANAM | 031 103 |
| ASHA | 040 |
| AUDIO DYNAMICS | 012 023 043 |
| AUDIOVOX | 101 |
| BEAUMARK | 040 |
| BROKSONIC | 035 037 129 025 |
| CALIX | 101 |
| CANON | 028 031 |
| CAPEHART | 108 |
| CCE | 024 117 |
| CINERAL | 117 |
| CITIZEN | 101 117 |
| COLT | 148 |
| CRAIG | 003 040 135 024 101 |
| CLIRTIS MATHES | 031 041 |
| CYBERNEX | 040 |
| DAEWOO | 005 108 111 117 017 065 007 010 |
| DAYTRON | 108 |
| DBX | 012 023 043 |
| DYNATECH | 034 053 |

VCR & TV/VCR

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---|
| ELECTROHOME | 059 101 |
| ELECTROPHONIC | 101 |
| EMERSON | 006 029 035 037 129 153 017 025 027 031 034 036 046 101 131 138 117 |
| FISHER | 003 010 008 009 |
| FUJI | 031 |
| FUNAI | 034 |
| GARRARD | 034 |
| GE | 031 072 144 147 063 107 109 040 053 |
| GO VIDEO | 132 155 040 136 |
| GOLDSTAR | 101 004 012 020 |
| HARLEY DAVIDSON | 034 |
| HARMAN KARDON | 012 045 |
| HARWOOD | 024 |
| HITACHI | 004 026 034 043 063 137 150 |
| HQ | 034 |
| HUGHES | 004 |
| INSTANTREPLAY | 031 |
| TERA | 031 |
| JCPENNEY | 004 012 031 040 101 |
| JENSEN | 043 |
| JVC | 048 043 055 060 130 150 152 012 031 |
| KEC | 101 117 |
| KENWOOD | 034 150 014 048 |
| KLH | 024 |
| KODAK | 031 101 |
| LG | 101 004 012 020 |
| LLOYD | 034 |
| LOGIK | 024 |
| LXI | 003 009 017 034 101 004 106 |
| MAGIN | 040 |
| MAGNASONIC | 117 |
| MAGNAVOX | 067 031 034 068 041 156 170 |
| MARANTZ | 067 069 012 031 |
| MARTA | 101 |
| MATSUI | 027 030 |
| MATSUSHITA | 031 |
| MEI | 031 |
| MEMOREX | 040 101 003 014 031 034 053 072 134 139 025 |
| MGA | 045 046 059 |
| MGN TECHNOLOGY | 040 |
| MINOLTA | 004 020 |
| MITSUBISHI | 059 061 051 004 046 020 045 053 |
| MOTOROLA | 031 053 |
| MTC | 034 040 |
| MULTITECH | 024 034 |
| NEC | 012 023 043 048 |
| NIKKO | 101 |
| NOBLEX | 040 |
| NORDMENDE | 043 |
| OLYMPUS | 031 |
| OPTIMUS | 053 101 |
| PILOT | 101 |
| PIONEER | 021 004 048 |
| PORTLAND | 108 |
| PROFITRONIC | 040 |
| PROTEC | 024 |
| RCA | 107 109 144 041 031 004 020 034 040 140 147 158 053 |
| SALORA | 014 |
| SAMSUNG | 040 017 107 109 113 115 124 122 |
| SANKY | 053 |
| SANSUI | 043 135 048 025 034 |
| SANYO | 003 014 040 134 |
| SCOTT | 017 037 129 131 |
| SEARS | 003 004 008 014 017 081 101 010 031 034 |
| SHARP | 053 031 054 159 |
| SHINTOM | 024 |

VCR & TV/VCR

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|---|
| SHOGUN | 040 |
| SINGER | 024 |
| SONY | 001 057 058 003 052 053 031 154 171 009 034 |
| SOUNDESIGN | 034 |
| SIS | 004 |
| SYLVANIA | 031 034 059 067 |
| SYMPHONIC | 034 |
| TANDY | 034 010 |
| TATUNG | 043 |
| TEAC | 034 043 |
| TECHNICS | 031 070 |
| TEKNIKA | 031 034 101 |
| THOMAS | 034 |
| TMK | 006 040 |
| TOSHIBA | 017 131 004 008 059 082 150 |
| TOTEVISION | 040 101 |
| UNITECH | 040 |
| VECTOR RESEARCH | 012 |
| VIDEO CONCEPTS | 012 034 046 |
| VIDEOSONIC | 040 |
| WARDS | 003 004 017 024 031 034 040 053 054 131 |
| WESTINGHOUSE | 024 025 |
| XR-1000 | 024 031 034 |
| YAMAHA | 012 034 043 |
| ZENITH | 072 034 001 058 080 101 153 048 025 |

***Note :** For TV/VCR combination unit, Please use following steps to operate the Volume control.

STEP1 Press the [CBL] button and the [OK] button simultaneously for 3 seconds. The [CBL] button will light on for 20 seconds.

STEP2 Press the [VOL+] button.

STEP3 Press the [VCR] button. The LED will blink twice to confirm the programming.

VCR(DVD)

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|----------------------------|
| AIWA | 202 |
| AKAI | 199 |
| ALPINE | 221 |
| APEX DIGITAL | 251 246 182 183 |
| ARCAM | 215 |
| CARY AUDIO DESIGN | 184 |
| CLASSE | 193 |
| COBY | 212 |
| OPTIMUS | 220 213 |
| PILOT | 101 |
| PIONEER | 226 241 |
| FUNAI | 208 211 |
| GE | 230 231 |
| GOLDSTAR | 235 239 |
| GO VIDEO | 201 187 188 189 194 |
| HARMAN KARDON | 243 |
| HITACHI | 223 |
| HITEKER | 246 |
| INTEGRA | 198 |
| JVC | 238 |
| FISHER | 151 |
| KISS | 197 |
| KLH | 210 |
| LG | 148 |

VCR(DVD)

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|----------------------------|
| MAGNAVOX | 254 237 211 |
| MARANTZ | 253 242 |
| MCINTOSH | 217 |
| MEMOREX | 207 |
| MINTEK | 200 |
| MITSUBISHI | 227 |
| MYRYAD | 224 |
| NAD | 247 239 |
| NAKAMICHI | 225 |
| ONKYO | 240 |
| OPTIMUS | 229 |
| PANASONIC | 228 206 226 |
| PHILIPS | 253 237 214 242 |
| PIONEER | 255 222 229 |
| POLAROID | 195 |
| PRIMARE | 185 186 |
| PROCEED | 245 |
| PROSCAN | 230 231 |
| RCA | 230 231 |
| SAMSUNG | 236 248 201 191 |
| SANSUI | 205 |
| SANYO | 204 |
| SENSORY SCIENCE | 189 190 |
| SHARP | 252 |
| SONY | 232 218 203 |
| SYLVANIA | 208 211 |
| SYMPHONIC | 208 211 |
| TATUNG | 224 |
| TECHNICS | 228 |
| THETA DIGITAL | 229 |
| TOSHIBA | 233 244 219 205 192 196 |
| VENTURER | 209 |
| YAMAHA | 249 226 181 |
| ZENITH | 239 226 235 239 |

AUX(AUDIO)

| Manufacturer/Brand | Set-Up Code Number |
|--------------------|---------------------------------|
| ADC | 200 |
| ADCOM | 072 082 092 161 |
| AIWA | 025 071 104 114 170 171 091 100 |
| AKAI | 139 093 |
| AMC | 125 126 127 128 |
| ANGSTROM | 142 |
| ARCAM | 141 |
| AUDIO ACCESS | 147 |
| AUDIO ALCHEMY | 135 |